

DEPARTMENT OF THE ARMY  
HEADQUARTERS, U.S. ARMY FIELD ARTILLERY CENTER AND FORT SILL  
FORT SILL, OKLAHOMA 73503

USAFACFS Regulation  
No. 25-12

18 October 2003

Information Management: Telecommunications  
**LOCAL AREA NETWORK (LAN) AND BASE LINE REQUIREMENTS  
FOR CONNECTIVITY TO SILNET21**

**1. PURPOSE.** To emphasize the regulatory authorization of the Directorate of Information Management (DOIM) regarding installation host/tenant relationships in the coordination of Wide Area Networks (WAN)/Local Area Networks (LAN), fiber, and CAT6 cabling. As specified in references a through e.

**2. REFERENCES.**

- a. AR 25-1, [31 May 2002](#), The Army Information Resources Management Program
- b. HQ USAISEC, ASQB-OTI TR No. 95001, May 95, Installation Information Transfer System (IITS)
- c. HQ DA MESSAGE 080900Z OCT 96, Local Acquisition of Information Technology
- d. CSA MESSAGE 160800Z JAN 96, Automation Efficiencies For Future Readiness
- e. DOD, Installation Information Infrastructure Architecture Design and Implementation Guide 2, March 1999

**3. INFRASTRUCTURE.** SILNET 21 is the objective installation infrastructure for communication and computer networking in support of the Army Technical Architecture Plans.

**4. FUNDS.** With the arrival of the [Installation Information Infrastructure Modernization Program \(13MP\)](#) project and funds to procure and purchase [10/100/1000MB](#) Ethernet devices, it becomes paramount that all network connectivity be centrally managed.

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\*This regulation supersedes USAFACFS Reg 25-12, [30 January 2001](#).

**5. RESPONSIBILITIES.** DOIM is responsible for and has approval authority for all networks on Fort Sill. Regardless of the funding source, all organizations, including tenants, are required to obtain project approval from DOIM prior to the initiation of any LAN project or activity changes. This will be done prior to the expenditure of any fiscal resources. Do not make changes to hardware or software configurations as of this date without DOIM approval. The base line architecture for the installation is as indicated below.

a. Workstation configuration - Pentium 500Mhz or higher.

(1) 256 Mb RAM or higher.

(2) 20Gb Internal Hard Disk.

(3) 10/100Mhz Network Interface Card (RJ45 connector).

(4) Operating System will be Windows 2000 or Windows XP.

(5) Comms Protocol will be BB TCP/IP - in accordance with the Army Technical Architecture.

b. Routers, and switches must be compatible with 10/100/1000MB Ethernet interfaces. DOIM will certify and centrally purchase these items. Fort Sill activities are not authorized to procure these items. Do not connect personal-owned devices and wireless network devices to the Fort Sill network without DOIM approval.

c. SILNET21's backbone is Fiber Optic Cable - Single Mode. DOIM must approve all fiber optic cable (single-mode and multi-mode) installation. DOIM must certify architecture compliance before installation by contract and/or government.

d. All building connectivity will use four pair Category 6 (Unshielded Twisted Pair (CAT 6 UTP)) or other more stringent IEEE.802 cable as media. Install in a star configuration. Install all cable media according to IEEE.802 and Electronic Industries Association/Telecommunications Industry Association (EIA/TIA) standards. Inspect and certify all existing networks according to IEEE.802 and EIA/TIA standards. You will need to upgrade or replace existing networks that do not meet these specifications with UTP cable prior to connection to the GIG-E backbone. All building subnets will be in a star configuration.

e. DOIM will engineer and install government furnished routers and switches. DOIM is responsible for connectivity from building patch panels to the wall outlets. Do not plug any equipment into any existing RJ45 wall plugs or network switches or move devices from one plug to another without approval from DOIM.

f. Network Protocol - TCP/IP. DOIM will manage IP address assignment for all network devices.

g. Network servers will use [WIN 2000](#) operating system. Those networks currently in place utilizing other operating systems will migrate to [Windows 2000 O/S](#) based on a best-case business decision and reengineering study. DOIM [Operations Division](#) will maintain all servers in its computer facility, Building 462, room 1, unless a waiver is granted by DOIM. Servers will adhere to the Fort Sill standard server naming convention and will be setup as stand-alone machines (no PDC or BDC).

h. Workstations that are connected to SILNET21 and are part of the Fort Sill domain must log into the domain before obtaining network services. Entry into the Fort Sill domain is necessary in order for DOIM to perform resource tracking, management, [and security](#) functions. Workstations accessing services without a domain log in must obtain a waiver from DOIM or will be subject to having network access blocked.

i. All computers, regardless of ownership, connected to SILNET21 are subject to scheduled and random scanning in order to detect network vulnerabilities, backdoor programs, or unauthorized connections.

j. Report all non-SILNET21 modems or other data line connections to a user workstation, server, or printer to DOIM with a detailed listing of design, usage, and current and projected security measures. Do not connect any of these user devices to the SILNET21 network without prior approval of an exception to policy.

k. All devices attached to SILNET21 will adhere to the current Fort Sill Naming Policy. The standard workstation naming convention format is as follows.

### ***DEPT-BLDG-ID***

Where ***DEPT*** is the directorate/department name, ***BLDG*** is the building where the machine is physically located, and ***ID*** is a unique user-defined identification of the operator or function of the workstation. Remember not to exceed 15 characters (including hyphens). Submit a request for exception to DOIM on devices requiring an exemption from this requirement. Information required is name requested, device IP address, [device MAC address](#), and justification for the exception.

[l. All workstations and servers connected to SILNET21 will run Army Computer Emergency Response Team \(ACERT\)/Fort Sill DOIM approved antivirus software.](#)

m. Registration of a device's IP address will require a request to DOIM. Information required is device IP address, device machine name, [device MAC address](#), and justification for registration.

**6. CONNECTIVITY/ARCHITECTURE.** Fort Sill DOIM will not approve connectivity to the installation backbone nor provide technical support for any architecture other than what is listed above.

(ATZR-U)

FOR THE COMMANDER:



MARK A. GRAHAM  
COL, FA  
Chief of Staff

KATHY L. BANKS  
Director of Information  
Management

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Fort Sill Internet